

# BIOS Release Notes

## TITLE

**SUBJECT:** MB10-DS3 BIOS Release Notes version [F13](#)  
**System:** [G150-B10](#), [MB10-DS4](#), [MB10-DS5](#)

### About This Release

**Build Date:** [2019/11/28](#)  
**BIOS Checksum:** [0x5BB7C9A2](#) (8M), [0xD22D415B](#) (16M)  
**Release Owner:** Deann.Wu

### BIOS Components/Contents

**Processor stepping(s) supported:** supports Intel® Broadwell-DE processors  
**System hardware configurations supported:** MB10-DS3  
**Microcode updates versions:**

CPUID	Family	Microcode Update ID
<a href="#">50661</a>	<a href="#">Broadwell-DE Processor U-0</a>	<a href="#">F1000008</a>
<a href="#">50662</a>	<a href="#">Broadwell-DE Processor V-1</a>	<a href="#">0000001C</a>
<a href="#">50663</a>	<a href="#">Broadwell-DE Processor V-2</a>	<a href="#">07000019</a>
<a href="#">50664</a>	<a href="#">Broadwell-DE Processor Y-0</a>	<a href="#">0F000017</a>

**IPMI support:**

**AMI Kernel version:** [Gbt\\_Kernel\\_021\\_071](#)

**Intel CSI/MRC Package version:** [1.95](#)

**SPI Descriptor version:** [03.00.03.059.0\\_04](#)

**OPROM version :**

OPROM	Version
AST2400 VGA	1.09.00
INTEL 1G PXE	1.5.53
INTEL 1G LAN EFI	6.2.08

### Installation Notes

#### IMPORTANT NOTES:

1. Please extract the MB10-DS3\_ [F13](#).zip to a bootable diskette that can boot to real DOS
2. Please don't load HIMEM.SYS or any other memory management SW in the diskette

#### BIOS UPDATE INSTRUCTIONS FOR DOS:

1. Insert USB flash drive to system for BIOS upgrade
2. Power on system and boot to USB flash
3. Execute FB.BAT for bios update

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- a. Execute "FB.BAT 3" only Flash BIOS Command line
- b. Execute "FB.BAT 2" need move ME flash jump(AC off) to flash ME firmware
4. After bios flash finish, system will reboot automatically, please do not remove USB flash
5. System will restore DMI data after boot to DOS again, please wait the message below,  
"All BIOS flash steps are done! Please AC OFF and AC ON again. Thanks!"
6. Done

### BIOS UPDATE INSTRUCTIONS FOR Windows:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\Win32\f.cmd or \Tool\Win64\f.cmd for bios update
4. After bios flash finish, Please reboot windows system

### BIOS UPDATE INSTRUCTIONS FOR LINUX:

1. Insert bios update USB flash drive.
2. Use Command Shell
3. Execute \Tool\LNx\afuLnx32f.sh or \Tool\LNx\afuLnx64f.sh for bios update
4. After bios flash finish, Please reboot windows system

### BIOS Version CHECK INSTRUCTIONS:

1. Power on system and press <DEL> during POST
2. The bios version shows on the first main page

## Known Issues/Workarounds

## Issues fixed in this version

### F13

- 1.Security update for 2019.2 Intel Platform Update (IPU)  
[1] Update V-1 Microcode 0000001C.  
[2] Update V-2 Microcode 07000019.  
[3] Update Y-0 Microcode 0F000017.  
[4] Update SPS FW 03.00.03.059.0.  
[5] Update ACM SINIT v1.3.21.

### F12

1. Upgrade AST2400 VBIOS v1.09.00
2. Update V-1 Microcode 0000001A.
3. Update V-2 Microcode 07000017.
4. Update Y-0 Microcode 0F000015.

### F11

1. Update V-1 Microcode 00000017.
2. Update V-2 Microcode 07000013.
3. Update Y-0 Microcode 0F000012.

### F10

## BIOS Release Notes

1. Add OCe14102-NX LAN into BadList. (Mantis - 0033174)

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F09

1. Update V-1 Microcode 00000015.
2. Update V-2 Microcode 07000012.
3. Update Y-0 Microcode 0F000011.
4. Fix CPU security Spectre and Meltdown issue - Branch Target Injection (CVE-2017-5715).

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F08

1. Add solution of Intel Unsafe Opcodes exposed in Intel SPI based products.

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F06

1. Update Microcode.
2. Update SPS FW 3.0.3.20.0.
3. Fix WHCK WHEAHCT test fail.

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F01

1. Update V-1, V-2 Microcode and SPS FW 3.0.3.20.0.
2. Update VR solution.

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D06

1. Fix PCIe error type wrong on BMC SEL Log.
2. Fix Windows Event Error ID 16.

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D05

1. Fix BIOS recovery fail.
2. Fix some HDD size detect wrong.
3. Fix system trigger PCIe error when boot into OS.
4. Fix AMISCE tool can't use.
5. Fix LAN MAC address get wrong.
6. Swap LAN1/2 and LAN3/4 queue.
7. Fix GPU card SBIOS test fail.
8. Fix PCIe error report test fail.

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D04

1. Update kernel to fix TPM bitlocker and whck issue

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D03

1. Update SPS FW 03.00.03.014.1.

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D02

1. Update RC 1.95.

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D01

## BIOS Release Notes

1. Firset release.
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